DESCRIPTION

- Compact loudspeaker with no compromise in sound quality
- For portable use or permanent installation
- 100° conical beamwidth
- Passive crossover for single amplifier operation

The JF80z is an ultra compact loudspeaker, engineered for exceptional, near-field performance. It provides surprisingly high output and exceptional fidelity for foreground and background music applications. It's speech projection capabilities also make it very effective as a fill or delay element in larger audio systems. Unlike many compact loudspeakers, the JF80z produces the high impact, high definition sound projection expected in professional PA applications. Its wide angle projection makes audience coverage easy in a variety of situations. While the JF80z is well suited as is for many applications, the addition of a subwoofer can expand its capabilities for more demanding applications.

Foam-backed grilles hide the drivers from view for pleasing aesthetics. Top, bottom and side mounting points allow enclosures to be mounted in virtually any configuration using eyebolts or accessory brackets. Additional mounting points accept an OmniMount® 60.0 Series or similar bracket and a third-party, external, stand adapter for pole mounting, such as the K&M™ 195/8 or Ultimate Support™ BMB-200K. Standard colors are black and white. Other colors can be specified as a special order items.

The diverse applications for the JF80z include: band PA, multimedia systems, retail spaces, presentation suites, shopping malls, smaller houses of worship, theatres, auditoriums, lecture halls, and theme parks. Fill/delay applications include arenas, stadiums, concert halls, theatres, and houses of worship.

Six year warranty.

2-WAY FULL-RANGE

*See **NOTES TABULAR DATA** for details*

CONFIGURATION

Subsystem

	Transducer	*Loading*
LF	2x 6.5 in cone	Sealed
HF	1x 1 in exit, 1.75 in voice coil compression driver	Waveguide Plate™

Operating Mode

	Amplifier Channels	*External Signal Processing*
Single-amp	LF/ HF	HPF

PERFORMANCE [1]

Operating Range	85 Hz to 20 kHz	
Nominal Beamwidth *(rotatable)*		
Horz	100°	
Vert	100°	
Axial Sensitivity *(whole space SPL)*		
LF/HF	90 dB	85 Hz to 20 kHz

Input Impedance *(ohms)*

	Nominal	*Minimum*
LF/HF	8	8.3 @ 240 Hz

Input Taps *(MT version)*

	70 V	*100 V*
LF/HF	64 W / 32 W / 16 W	64 W / 32 W

High Pass Filter	
High Pass	=>70 Hz, 12 dB/octave Butterworth

Accelerated Life Test [2]		
LF/HF	60 V	450 W @ 8 ohm

Calculated Axial Output Limit *(whole space SPL)*

	Average	*Peak*
LF/HF	117 dB	123 dB

ORDERING DATA

Description	*Part Number*
JF80z 2-Way Full-Range Loudspeaker Black	0012619
JF80z 2-Way Full-Range Loudspeaker White	0013772
JF80zMT Multi-tap 70/100 V Transformer Black	0013771
JF80z-16 16 ohm Black	0014045
JF80zPL-WP Weather Protected Black	0014360
Optional Accessories	
Eyebolt/Forged Shoulder (1/4-20 x 1 in)	104009
U-Bracket Black	0012345
U-Bracket White	0012348
Yoke Bracket Black	0012395
Yoke Bracket White	0012396

1 To achieve specified performance, the listed external signal processing with EAW-provided settings is required.

2 For recommendations to select power amplifier size refer to : "HOW MUCH AMPLIFIER POWER DO I NEED?" on the EAW web site.

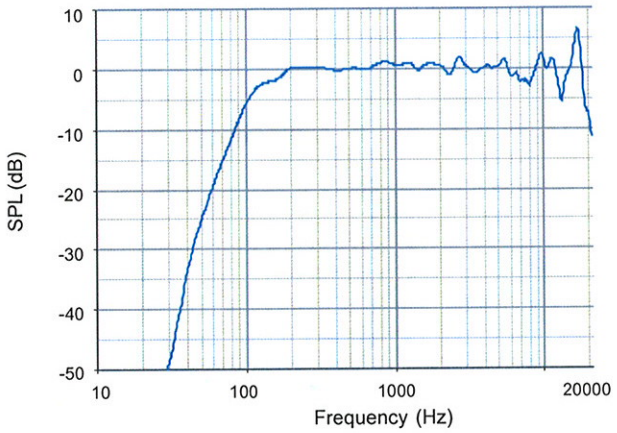
Part Number: RD0288 (A) JF80z June 2005

PERFORMANCE DATA

*See **NOTES GRAPHIC DATA** for details*

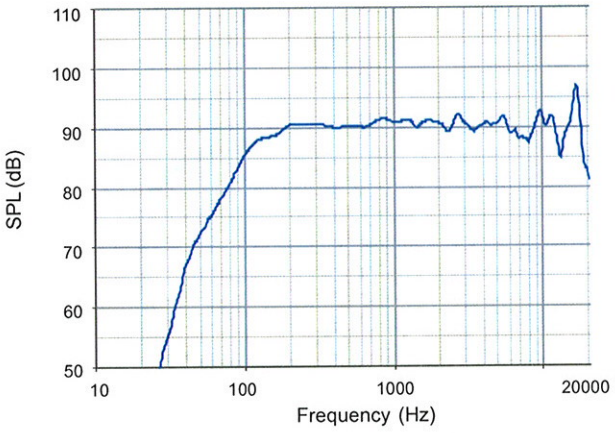
Frequency Response: Processed with HPF

LF/HF = blue



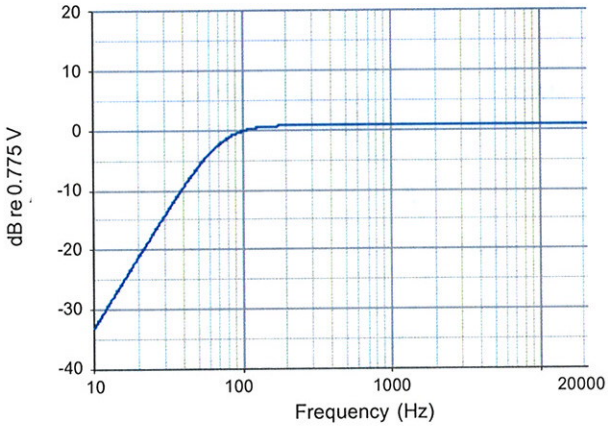
Frequency Response: Unprocessed

LF/HF = blue



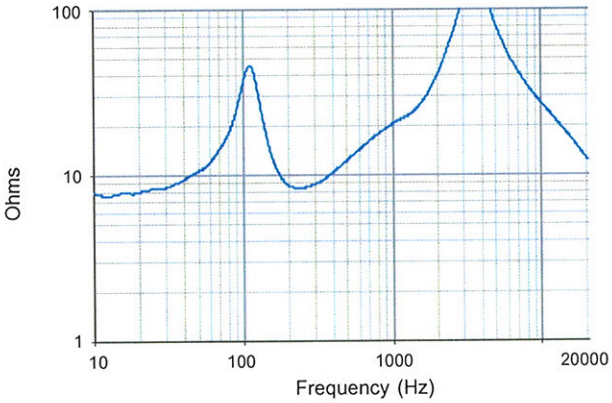
Frequency Response: Recomended High Pass Filter

LF/HF = blue



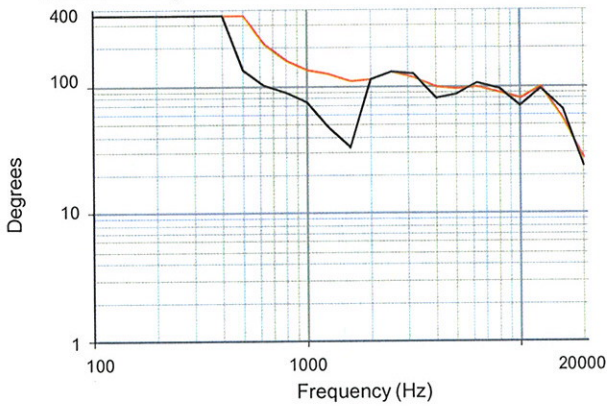
Impedance Magnitude

LF/HF = blue



Beamwidth (-6 dB SPL Points)

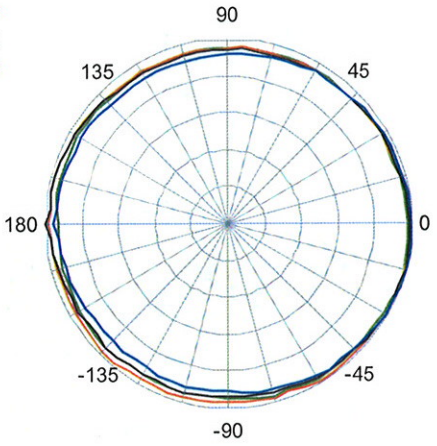
Horizontal = orange Vertical = black



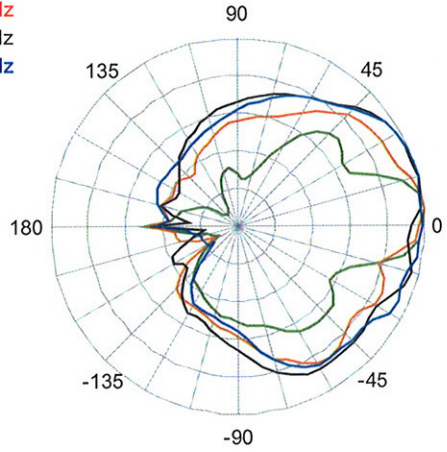
VERTICAL POLAR DATA (Gridlines: 6 dB axial / 15 degree radial)

*See **NOTES GRAPHIC DATA** for details*

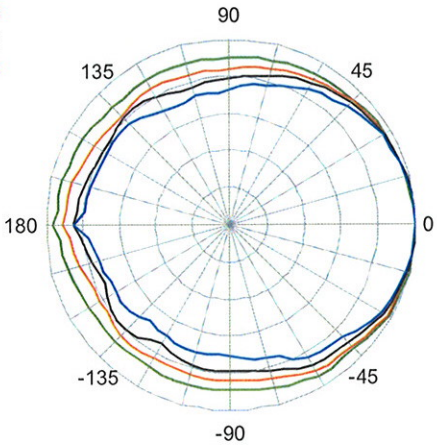
100 Hz
125 Hz
160 Hz
200 Hz



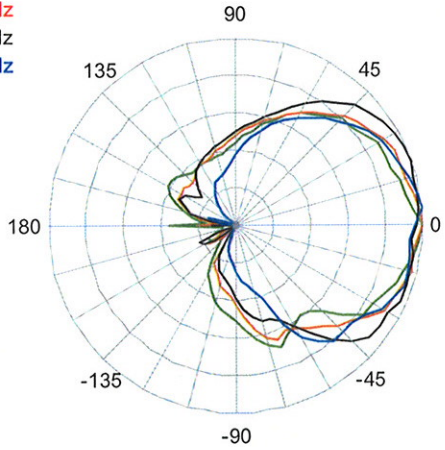
1600 Hz
2000 Hz
2500 Hz
3150 Hz



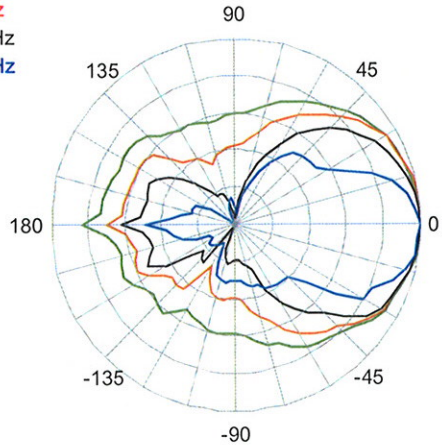
250 Hz
315 Hz
400 Hz
500 Hz



4000 Hz
5000 Hz
6300 Hz
8000 Hz



630 Hz
800 Hz
1000 Hz
1250 Hz



10000 Hz
12000 Hz
16000 Hz